

Bluetooth headset for phone calls
EZX 80



Instruction manual

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Important safety information

- ▶ Read this instruction manual carefully and completely before using the product.
- ▶ Always include this instruction manual when passing the product on to third parties.
- ▶ Do not use an obviously defective product.

Preventing damage to health and accidents

- ▶ Do not listen at high volume levels for long periods of time to prevent hearing damage.
- ▶ Always maintain a distance of at least 3.94" (10 cm) between the ear cups and the cardiac pacemaker or implanted defibrillator since the product generates permanent magnetic fields.
- ▶ Keep the product, accessories and packaging parts out of reach of children and pets to prevent accidents and choking hazards.
- ▶ Do not use the product in an environment that requires your special attention (e.g. in traffic).
- ▶ Do not wear the headset during charging since the rechargeable battery can get warm.

Preventing damage to the product and malfunctions

- ▶ Always keep the product dry and do not expose it to extreme temperatures (hairdryer, heater, extended exposure to sunlight, etc.) to avoid corrosion or deformation.
- ▶ Only use attachments/accessories supplied or recommended by Sennheiser.
- ▶ Only clean the product with a soft, dry cloth.
- ▶ Only use the product in environments where wireless Bluetooth® transmission is permitted.

Intended use/Liability

The EZX 80 is an accessory for mobile phones or any Bluetooth compliant device with a "hands free profile" (HFP), a "headset profile" (HSP) or the "advanced audio distribution profile" (A2DP). It is intended for wireless communication via Bluetooth connection.

It is considered improper use when this product is used for any application not named in this instruction manual.

Sennheiser does not accept liability for damage arising from abuse or misuse of this product and its attachments/accessories.

Sennheiser is not liable for damages to USB devices that are not consistent with the USB specifications.

Sennheiser is not liable for damages resulting from the loss of connection due to flat or overaged rechargeable batteries or exceeding the Bluetooth transmission range.

Safety instructions for standard/rechargeable batteries

In extreme cases, abuse or misuse of standard/rechargeable batteries can lead to:



WARNING

- explosion,
- fire development,
- heat generation or
- smoke or gas development.

	Dispose of products with built-in rechargeable batteries at special collection points or return them to your specialist dealer.		Switch rechargeable battery-powered products off after use.
	Only use rechargeable batteries recommended by Sennheiser and the appropriate chargers.		When not using rechargeable batteries for extended periods of time, charge them regularly (about every 3 months).
	Only charge rechargeable batteries at ambient temperatures between 10°C/50°F and 40°C/104°F.		Do not heat above 70°C/158°F, e.g. do not expose to sunlight or throw into a fire.

The EZX 80 Bluetooth headset

The EZX 80 **Bluetooth** headset is the wireless solution for phone calls with superb sound quality. The EZX 80's long battery life of up to 8 hours makes it especially suitable for professional applications. The Sennheiser digital noise and echo cancellation blocks out annoying interference – without compromising on convenience, such as easy one-hand operation.

Bluetooth



The EZX 80 complies with the **Bluetooth** 3.0 standard and is compatible with all **Bluetooth** 1.1, 1.2, 2.0, 2.1 and 3.0 devices with a "hands free profile" (HFP), a "headset profile" (HSP) or the "advanced audio distribution profile" (A2DP). The EZX 80 provides wireless freedom to give hands-free convenience with your mobile phone.

Additional features of the EZX 80 Bluetooth headset

- Noise cancelling clarity – digital noise cancellation reduces stationary background noise for crystal-clear phone conversations
- Echo-free conversations – digital echo cancellation eliminates all echoes while you are talking
- Easy call control – with just one hand, you can quickly take or end calls and adjust the volume to suit you best
- HD quality sound – crystal-clear, detailed and transparent sound reproduction due to large wideband speaker (11 mm) and extended frequency response
- Lightweight comfort – weighs only 10.6 grams
- Flexible wearing style – simply rotate the soft earhook to wear the headset on your right or left ear
- Long talk time – talk to business partners and friends for up to 10 hours, with up to 10 days of standby time
- Headset battery level indicator displayed on Apple iPhone® screen
- Adaptive volume level – automatic, adaptive volume adjustment for optimized speech intelligibility and sound quality

Delivery includes



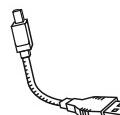
EZX 80 Bluetooth headset
with built-in rechargeable Lithium-Polymer battery



Power supply unit
(version 3in1 only)



Car charger
(versions 2in1 and 3in1 only)



USB charging cable



Quick Guide

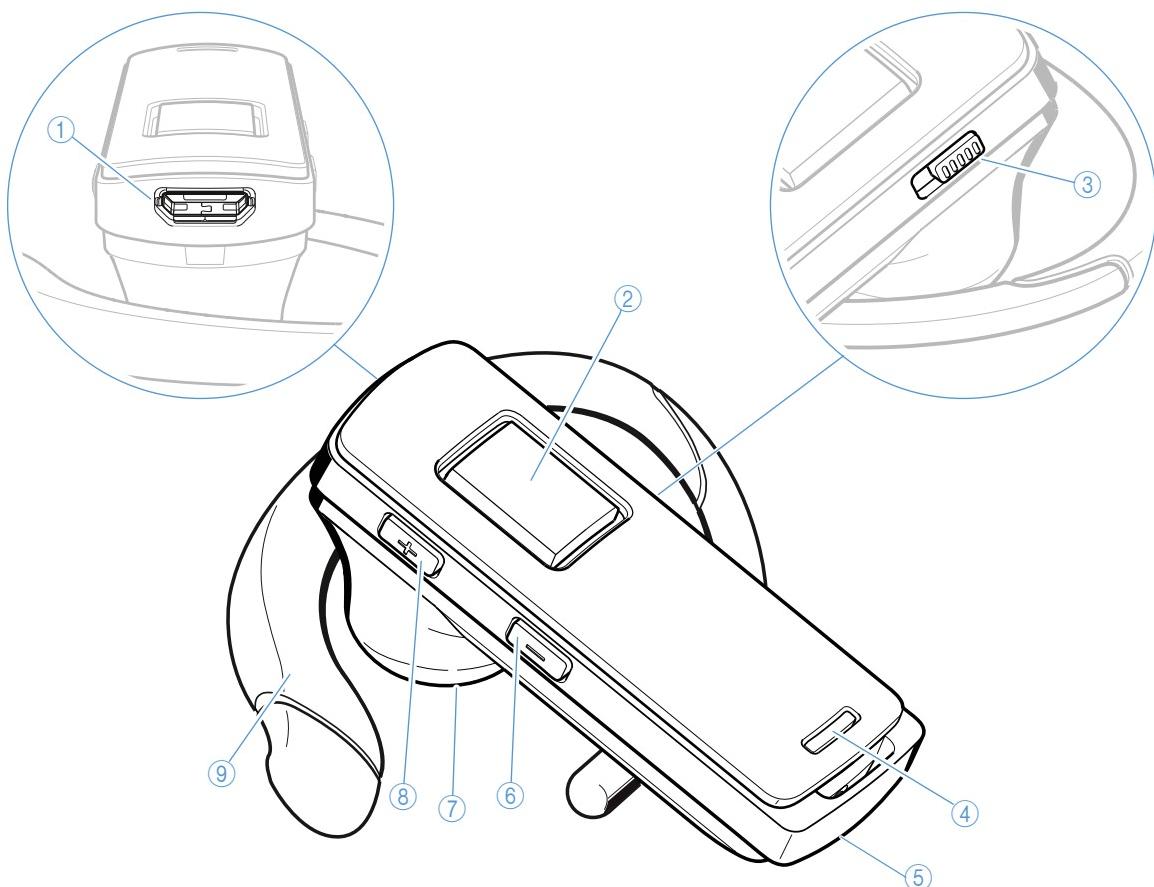


Safety Guide



A list of accessories can be found on the EZX 80 product page at www.senncom.com. For information on suppliers, contact your local Sennheiser partner: www.senncom.com > "Sales Partner".

Product overview



① Socket for USB charging cable

② Multi-function button

③ On/off switch

④ LED

⑤ Microphone

⑥ Volume – button

⑦ Speaker

⑧ Volume + button

⑨ Earhook

Overview of pictograms

Meaning of the pictograms for pressing a button

Pictogram	Meaning
	Briefly press this button.
	Double-press this button.
	Keep this button pressed for 3 seconds.

Meaning of the pictograms for the beeps

Pictogram	Meaning
	Ascending sequence of beeps
	Descending sequence of beeps
	One beep
	Several beeps
	Two descending beeps
	Two ascending beeps

Meaning of the pictograms for the flashing of the LED

Pictogram	Meaning
	This pictogram symbolizes a flashing.
	This pictogram symbolizes an interruption.
	This pictogram symbolizes a time interval.

Examples of some of the pictograms that are used throughout this instruction manual:

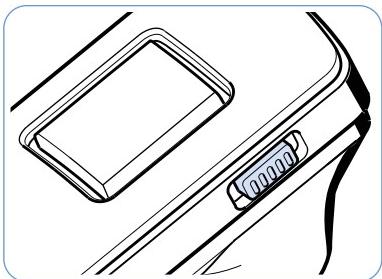
Pictogram	Meaning
	The LED flashes rapidly.
	The LED flashes once every 3 seconds.
	The LED flashes 3 times per second.

The pictogram "i"

Notes marked with the pictogram "i" provide important information on the use of the headset.

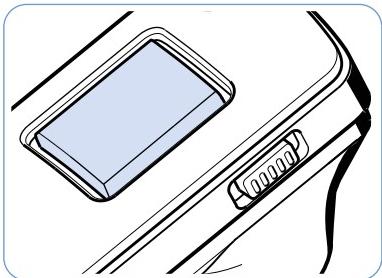
Overview of buttons

On/off switch



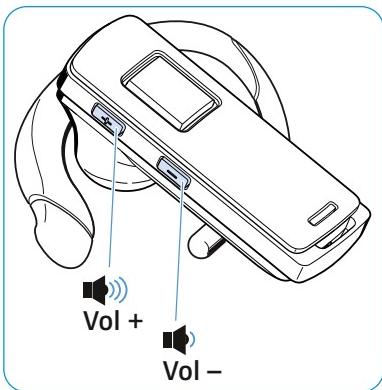
Switch	Function	Page
	Switches the headset on	14
	Switches the headset off	14

Multi-function button



Button	Function	Page
	Accepts / ends a call Accepts an incoming call and ends the active call (managing two calls) Ends the active call and makes the call on hold active (managing two calls) Transfers a call from the mobile phone to the headset Stops voice dialing or redialing the last number Re-establishes the connection after the transmission range has been exceeded	17 18 18 17 19 21
	Establishes a conference call (managing two calls) Activates/stops voice dialing Rejects an incoming call Transfers a call from the headset to the mobile phone	18 19 17 17
	Accepts an incoming call and puts the active call on hold (managing two calls) Activates redialing	18
	Changes to pairing mode	12

Volume buttons



Button	Press	Function	Page
		Reduces the volume	16
		Increases the volume	16
		Mutes/unmutes the headset's microphone	19
		Retrieves information on the remaining talk time	15
		Resets the headset to the factory default settings	21

Overview of the LED indications

Meaning during operation

LED	Meaning
	Headset switches on
	Headset switches off
	Headset is in pairing mode
	Pairing was successful
	Pairing has failed
	Connectable state, not connected

Once the headset is successfully connected, the LED goes off.

Meaning during calls

LED	Meaning
	Incoming call
	Incoming call + rechargeable battery is weak

Meaning during charging

LED	Meaning
	Charging in progress
	Rechargeable battery is fully charged

Putting the EZX 80 into operation

Charging the headset



WARNING

Danger of injury!

Wearing or using the headset during charging can cause burns and injuries.

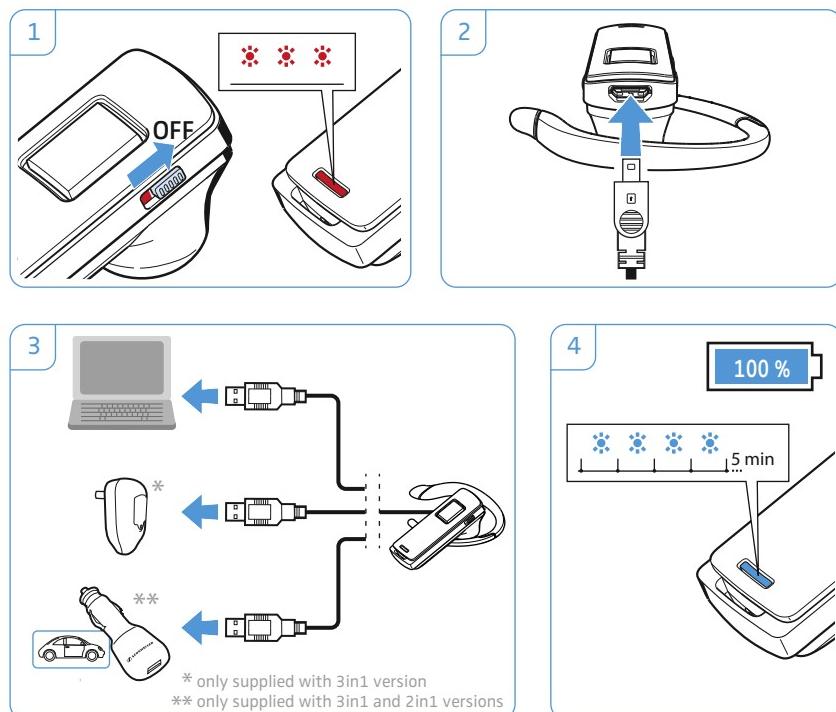
- ▶ During charging, place the headset on a table.



A complete charging cycle takes about 1 hour and 20 minutes. Before using the headset for the first time, charge the rechargeable battery for a complete charging cycle without interruption.

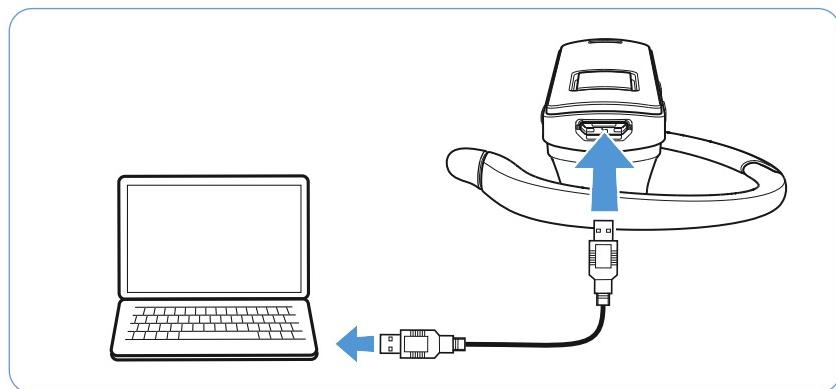
A charging time of ...	corresponds to a talk time of ...
approx. 10 min	approx. 1 h 30 min
approx. 20 min	approx. 2 h 40 min
approx. 40 min	approx. 5 h 20 min
approx. 60 min	approx. 7 h 30 min
approx. 80 min	approx. 10 h

- 1 Take off the headset and switch it off (see page 14).
- 2 Connect the smaller plug of the charging cable to the USB socket of the EZX 80.
- 3 Connect the USB plug of the charging cable to the USB socket of your computer.
If you are using the optional charging accessories*: Connect the USB plug of the charging cable to the power supply unit or to the USB car charger adapter.
- 4 The rechargeable battery is being charged.
When charging is complete, the LED goes off.



Charging the rechargeable battery using the USB smart charging cable

The shapeable USB charging cable allows you to charge the headset so that it, for example, does not even touch your desk. Its compact size also prevents cable tangles.



Connecting the headset to a Bluetooth device

CAUTION

Danger of malfunction!

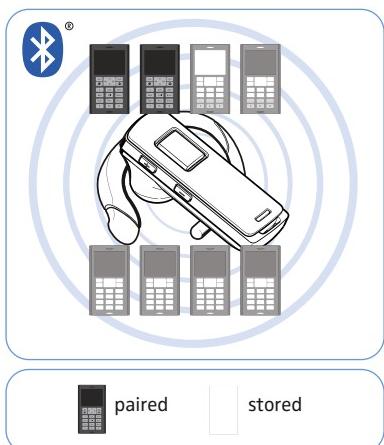
The transmitted radio waves of mobile phones can impair the operation of sensitive and unprotected devices.

- ▶ Only make calls with the headset in locations where wireless **Bluetooth** transmission is permitted.

The headset complies with the **Bluetooth** 3.0 standard. In order that data can be transmitted wirelessly using **Bluetooth** technology, you have to pair your headset with **Bluetooth** devices that support the "hands free profile" (HFP), the "headset profile" (HSP) or the "advanced audio distribution profile" (A2DP).

The headset can save the connection profiles of up to eight **Bluetooth** devices with which it has been paired. After switch-on, the headset automatically tries to connect to the two last connected **Bluetooth** devices.

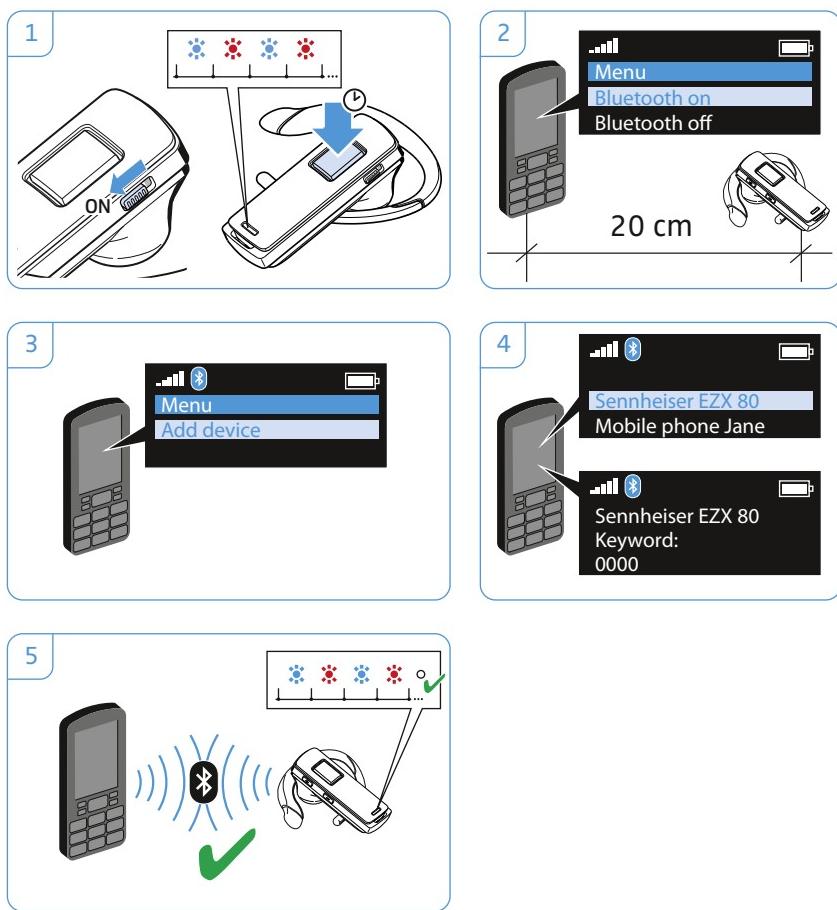
If you pair the headset with a ninth **Bluetooth** device, the saved connection profile of the first **Bluetooth** device will be overwritten. If you want to re-establish a connection with the first **Bluetooth** device, you have to pair the headset again.



Pairing the EZX 80 with a Bluetooth device

The following chapter describes, by way of example of a mobile phone, how to pair the EZX 80 with a **Bluetooth** device. In case of deviation, proceed as described in the instruction manual of your mobile phone.

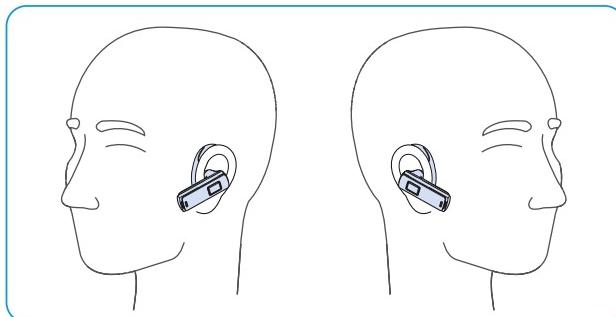
- 1 Switch the headset on (see page 14). Then keep the multi-function button pressed until the LED alternately flashes blue and red. The headset is in pairing mode.
- 2 Enable the **Bluetooth** visibility on your mobile phone.
- 3 On the mobile phone, start a search for **Bluetooth** devices. All available devices in the proximity of the mobile phone are displayed.
- 4 From the found **Bluetooth** devices, select "Sennheiser EZX 80" to establish a **Bluetooth** connection to the headset. If necessary, enter the default PIN code "0000".
- 5 Once the headset is paired with the mobile phone, the LED turns off.



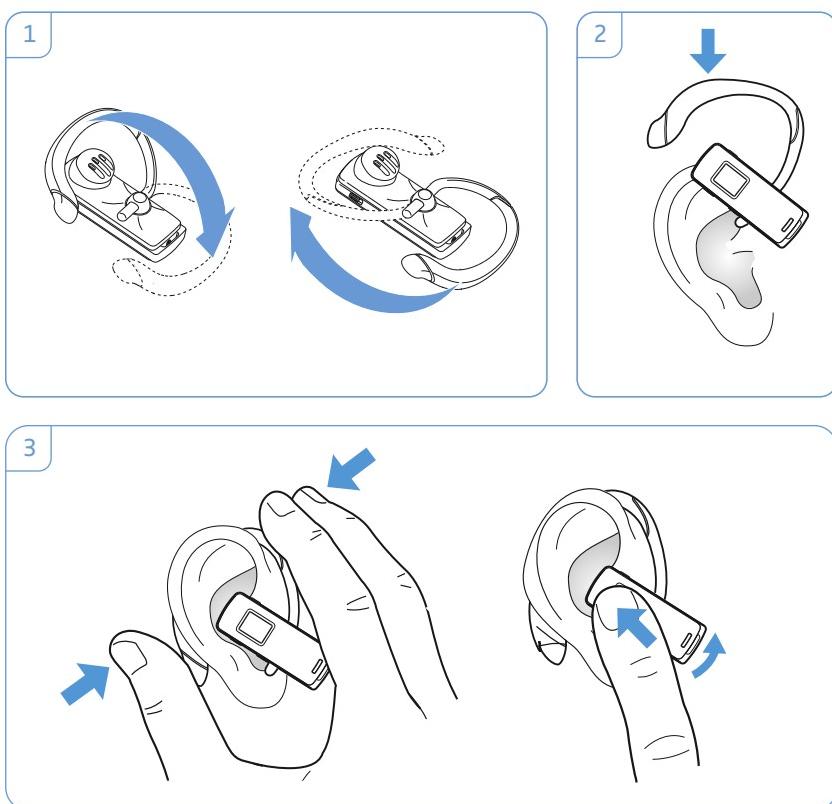
Using the EZX 80

Individually adjusting the headset and wearing it

For an optimized and individual wearing comfort, the headset can be worn on your left or right ear.



- 1 Rotate the earhook, if you want to change the wearing ear of the headset.
- 2 Guide the earhook behind your ear.
- 3 Position the headset so that it fits comfortably.

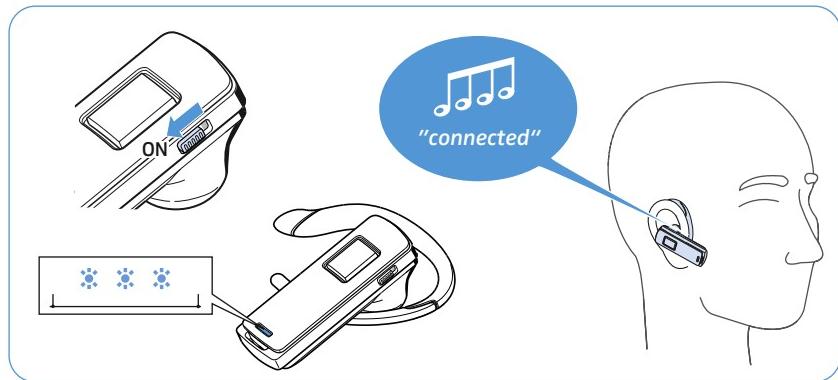


Switching the headset on/off

Switching the headset on

- Move the on/off switch to the position ON.

The LED flashes 3 times blue and you hear an ascending sequence of beeps. When the headset is paired but not yet connected to the mobile phone, the LED flashes 3 times blue every 5 seconds. Once the headset and the mobile phone are connected, the LED turns off and the voice prompt "connected" is announced in the headset.



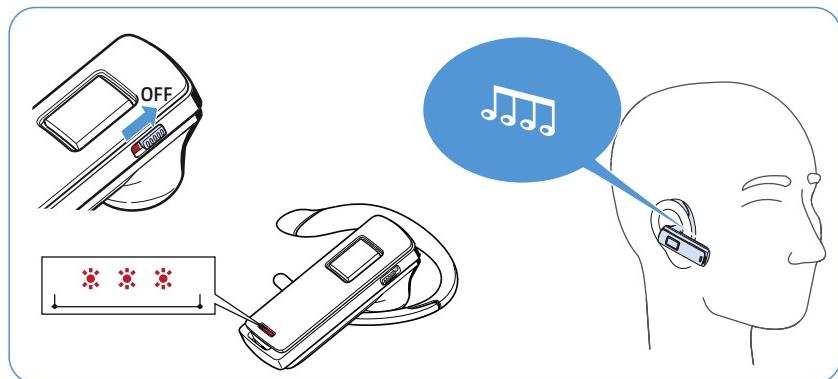
i If the headset is switched off and then on again within 10 seconds, there might be no voice prompt because the reset procedure is not completed.

Switching the headset off

If the headset has not been used for more than 1 hour, it automatically switches off to conserve battery power.

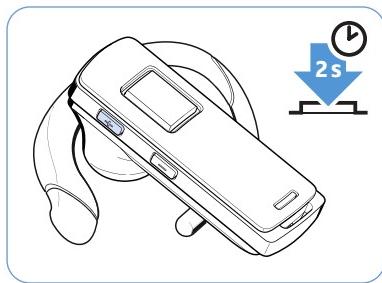
- Move the on/off switch to the position OFF.

The LED flashes 3 times red. You hear a descending sequence of beeps.



i Connection profiles and volume settings are saved automatically when the headset is switched off.

Retrieving information on the remaining talk time



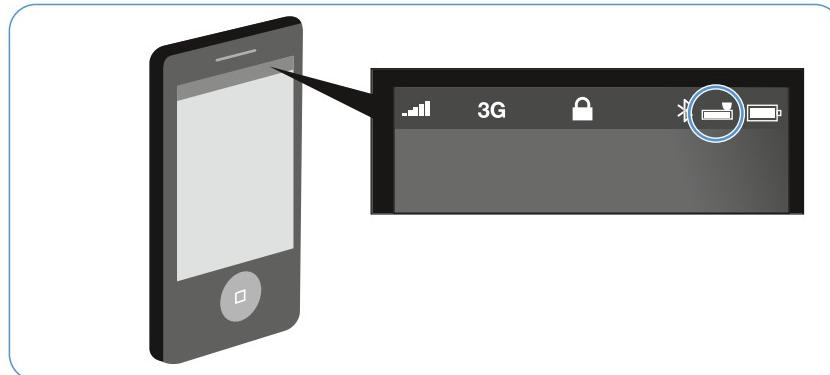
You can retrieve information on the remaining talk time at any time except when you are on a call or listening to music:

- ▶ Press the Volume + button for 2 seconds.

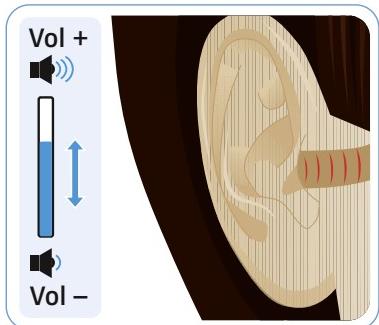
Information announced	Comment
Between 5 and 10 hours talk time	
Between 2 and 5 hours talk time	Remaining talk time
Less than 2 hours talk time	
Recharge headset	Remaining talk time is less than 10 min.

Battery level indicator displayed on Apple iPhone

When the headset is paired with an iPhone, the iPhone screen shows an additional battery level indicator for the headset.



Changing the speaker volume



WARNING

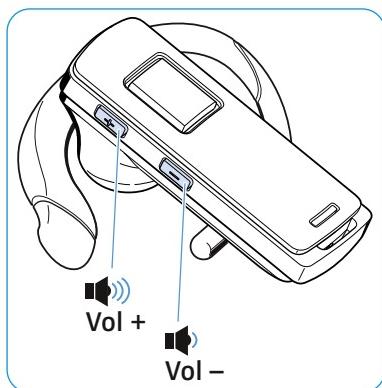
Hearing damage due to high volumes!

Listening at high volume levels for long periods can lead to permanent hearing defects.

- ▶ Set the volume to a low level before putting on the headset.
- ▶ Do not continuously expose yourself to high volumes.

The adaptive volume level feature adjusts the speaker volume automatically, e.g. when you enter or leave a noisy environment. You only need to adjust the volume to your preferred setting once. To adjust the volume during a call or when listening to music:

- ▶ Press the
 - Volume + button to increase the volume.
 - Volume – button to reduce the volume.
- When the maximum volume is reached, you hear a beep in the headset.

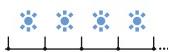


Making calls using the headset

Making a call

- ▶ Dial the desired number on your mobile phone.
You hear a beep in the headset.
- ▶ If your mobile phone does not automatically transfer the call to the headset, simply press the multi-function button once to transfer the call from the mobile phone to the headset. Alternatively, press a button on your mobile phone (see the instruction manual of your mobile phone).

Accepting/rejecting/ending a call

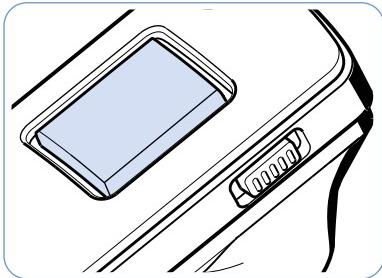


When your EZX 80 is connected to a mobile phone and you receive a call, you hear a ring tone in the headset and the LED flashes blue every 2 seconds. If the headset battery is low, the LED flashes red instead of blue.

If you listen to music, the music is stopped until you end the call.

When you receive a call and your headset is switched off, simply switch your headset on to accept the call.

- ▶ Press the multi-function button:

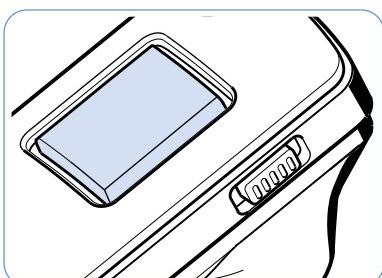


Duration	Function	Beep(s)
	Accepts a call	
	Rejects a call	
	Ends a call	

Transferring the call to/from the headset

Once a connection is established, you can transfer the call to/from the headset.

- ▶ Press the multi-function button:



Duration	Function	Beep(s)
	Transfers a call from the headset to the mobile phone	
	Transfers a call from the mobile phone to the headset	

Managing two calls

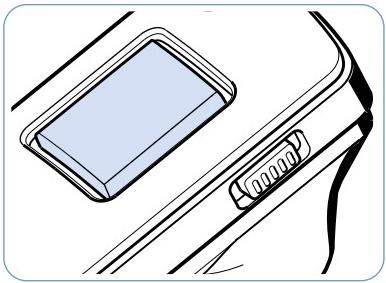
You can manage two calls:

- from either two different **Bluetooth** devices or
- from one **Bluetooth** device.

If you want to manage two calls from one **Bluetooth** device, disconnect the second **Bluetooth** connection.

If you receive a call during an active call:

- Press the multi-function button:



Duration	Active call	2nd incoming call	Function
			Accepts the incoming call and ends the active call
			Accepts the incoming call and puts an active call on hold (toggling - phone dependent)

If you put an active call on hold (toggling):

- Press the multi-function button again:

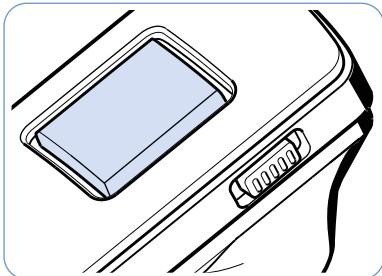


Duration	Active call	2nd call put on hold	Function
			Ends the active call and makes the call on hold active (phone dependent)
			Establishes a conference call (for 2 calls on one mobile phone only)

Redialing

The redialing function must be supported by your mobile phone or Bluetooth device (with HF profile respectively) and be activated.

- ▶ Press the multi-function button:

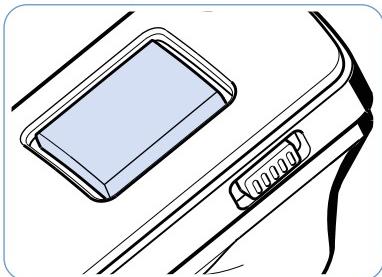


Duration	Function	Information
		Redials the last number
		Stops redialing

Voice dialing

The voice dialing function must be supported by your mobile phone (with HF profile) and be activated. Follow the instructions in the instruction manual of your mobile phone.

- ▶ Press the multi-function button for about 2 seconds until you hear 2 beeps. Release the multi-function button to start voice dialing.

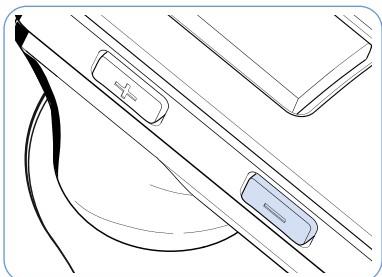


Duration	Function	Information
		Starts/stops voice dialing

- ▶ Say the name of the person you want to call.
The mobile phone automatically dials the corresponding number.

Muting the headset's microphone

- ▶ Press the Volume – button:



Duration	Function	Beep(s)
		Mutes the headset's microphone
		Unmutes the headset's microphone

- ▶ While the microphone is muted, you hear a beep every 4 seconds.

Cleaning and maintaining the EZX 80

CAUTION

Liquids can damage the electronics of the product!

Liquids entering the housing of the product can cause a short circuit and damage the electronics.

- ▶ Keep all liquids far away from the product.

To clean the headset:

- ▶ Carefully wipe the product with a dry cloth.

If a problem occurs ...

Problem	Possible cause	Solution	Page
Headset cannot be switched on	The rechargeable battery is flat.	Recharge the rechargeable battery.	10
No audio signal	The headset is not paired with the mobile phone.	Check if the headset is paired. If necessary, pair the headset with the mobile phone again.	12
	The volume is adjusted too low.	Increase the volume.	16
	The headset is switched off.	Switch the headset on.	14
Headset cannot be paired	The pairing does not work. The LED flashes 3 times red.	Check if your Bluetooth device supports the HF or HS profile.	–
		Start a search for Bluetooth devices on your mobile phone (see the instruction manual of your mobile phone).	–
	The headset is too far away from the mobile phone.	During pairing, a maximum distance of 20 cm must not be exceeded.	
Headset does not react to any button press	The mobile phone is switched off.	Switch the mobile phone on.	14
	The operation of the headset is faulty.	Reset the headset to the factory default settings.	21

If a problem occurs that is not listed in the above table or if the problem cannot be solved with the proposed solutions, please contact your local Sennheiser partner for assistance.

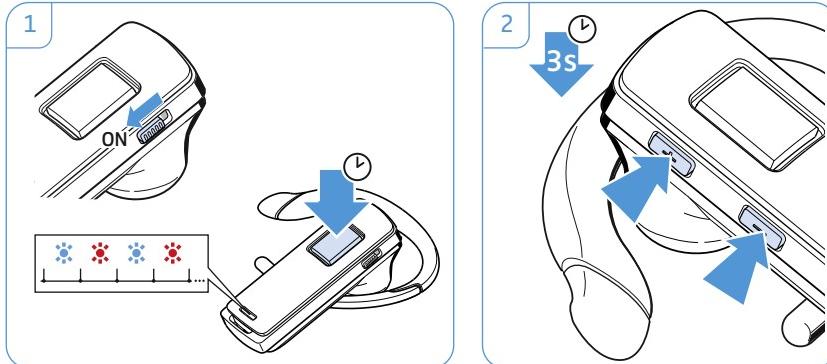
To find a Sennheiser partner in your country, search at www.senncom.com.

Restoring factory default settings (Reset)

When resetting the headset to the factory default settings, the list of Bluetooth devices connected to your headset is deleted.

- 1 Switch the headset on. Then press and hold the multi-function button until the LED flashes alternately blue and red, indicating that the headset is in pairing mode.
- 2 Simultaneously press and hold the Volume –button and the Volume + button for 3 seconds. The LED flashes 3 times purple and the headset then changes to pairing mode.

The factory default settings are successfully restored.



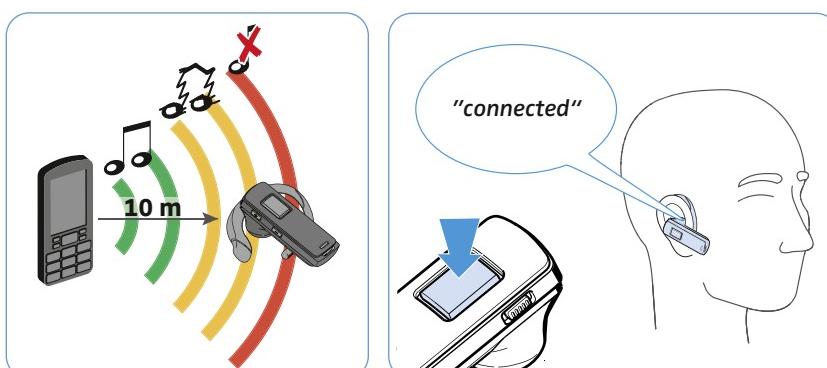
If you are out of the Bluetooth transmission range

Calling is only possible in the Bluetooth transmission range of the mobile phone. The transmission range largely depends on environmental conditions such as wall thickness, wall composition etc. With a free line of sight, the transmission range of most mobile phones and Bluetooth devices is up to 10 meters.

If the headset leaves the Bluetooth transmission range of the mobile phone, the sound quality deteriorates and the voice prompt "lost connection" is announced in the headset. This announcement is repeated every 20 seconds for 5 minutes. If you re-enter the Bluetooth transmission range within these 5 minutes, the connection is re-established and the voice prompt "connected" is announced in the headset. If you spend more than 5 minutes outside the Bluetooth transmission range, the connection breaks down completely and you have to manually re-establish the connection.

To re-establish a connection to the mobile phone:

- ▶ Briefly press the multi-function button.
Once the connection is successfully re-established, the voice prompt "connected" is announced in the headset.



Specifications

EZX 80

Dimensions	approx. 18 x 50 x 20 mm (W x H x D)
Weight without earhook	approx. 10.6 g
Standby time	up to 10 days (300 hours)
Talk time	up to 10 hours
Charging time	approx. 1 hour 20 minutes
Range	10 m
Speaker type	dynamic, neodymium magnet
Microphone type	omni-directional electret microphone
Audio	digital noise and echo suppression
Operating temperature range	+10°C (+50°F) to +40°C (+104°F)
Operating relative humidity	20 to 85%, non-condensing
Storage temperature range	-20°C (-4°F) to +60°C (140°F)
Storage relative humidity	10 to 95%, non-condensing



Bluetooth

Bluetooth	version 3.0
Transmission frequency	2402 MHz to 2480 MHz
Profiles	HSP, HFP, A2DP
Output power	2.5 mW

Power supply unit (for versions 3in1 and 2in1 only)

Nominal input voltage	100 – 240 V~
Nominal input current	max. 0.2 A
Mains frequency	50–60 Hz
Nominal output voltage	5 V ---
Nominal output current	max. 150 mA
Operating temperature range	+10°C (+50°F) to +40°C (+104°F)
Operating relative humidity	20 to 85%, non-condensing
Storage temperature range	-20°C (-4°F) to +60°C (140°F)
Storage relative humidity	10 to 95%, non-condensing
Weight	approx. 75 g



Only use the power supply unit listed in this instruction manual.

Manufacturer Declarations

Warranty

Sennheiser Communications A/S gives a warranty of 24 months on this product. For the current warranty conditions, please visit our website at www.senncom.com or contact your Sennheiser partner.

FOR AUSTRALIA ONLY

Sennheiser's goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to other rights or remedies under law. Nothing in this warranty excludes, limits or modifies any liability of Sennheiser which is imposed by law, or limits or modifies any remedy available to the consumer which is granted by law. To make a claim under this warranty, contact Syntec International Pty Ltd, Unit 3, 31 Gibbes Street, Chatswood NSW 2067, AUSTRALIA Phone: (02) 9910 6700, email: service@syntec.com.au. All expenses of claiming the warranty will be borne by the person making the claim.

The Sennheiser International Warranty is provided by Syntec International Pty Ltd (ABN 94003433798), unit 3, 31 Gibbes Street, Chatswood NSW 2067, Australia.

In compliance with the following requirements

- RoHS Directive (2002/95/EC)
- WEEE Directive (2002/96/EC)



Please dispose of this product by taking it to your local collection point or recycling center for such equipment. This will help to protect the environment in which we all live.



- Battery Directive (2006/66/EC)

The product's built-in rechargeable batteries can be recycled. In order to protect the environment, please dispose of defective products with their rechargeable batteries as special waste or return them to your specialist dealer.

CE Conformity

- R&TTE Directive (1999/5/EC)
- EMC Directive (2004/108/EC)
- Low Voltage Directive (2006/95/EC)
- ErP Directive (2009/125/EC)

The CE Declaration of Conformity is available on our website at www.senncom.com.

Before putting the product into operation please observe the respective country-specific regulations!

In compliance with:

USA	FCC ID: DMOCBMSCE
Canada	IC: 2099D-EZX80
Europe	  
Australia/ New Zealand	 N340
Singapore	Complies with IDA Standards DB100582
Russia	 ME10
Bluetooth	 Bluetooth
Korea	
해당 무선설비는 운용 중 전파혼신 가능성이 있음.	
해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음.	
Certification no.	 KCC-CRM-SC9-EZX80
Product name	Bluetooth headset
Model	EZX 80
Applicant	Sennheiser Communications A/S
Manufacturer	Sennheiser Communications A/S
Country of Origin	China

Statements regarding FCC and Industry Canada

This device complies with Part 15 of the FCC Rules and with Industry Canada standard(s) for license-exempt radio devices. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and RSS 210 of Industry Canada. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications made to this equipment not expressly approved by Sennheiser electronic Corp. may void the FCC authorization to operate this equipment.

RF Radiation Exposure Information

Since the radiated output of this device is far below the FCC radio frequency exposure limits, it is not subjected to routine RF exposure evaluation as per Section 2.1093 of the FCC rules.

Trademarks

The **Bluetooth®** word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sennheiser Communications A/S is under license.

iPod® and iPhone® are registered trademarks of Apple Inc, registered in the U.S. and other countries.



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